MYP Mathematics Assessment Criteria M1-M3

CRITERION A	KNOWLEDGE & UNDERSTANDING
Achievement level	**Descriptor**
0	The student does not reach a standard described by any of the descriptors given below.
1–2	The student has demonstrated only a small amount of mathematical knowledge when solving simple problems.
3–4	The student has demonstrated some amount of mathematical knowledge and a few mathematical ideas when solving simple familiar problems
5–6	The student has demonstrated a good knowledge and understanding of the mathematical concepts covered. He/she can make logical conclusions and is able to solve problems in a variety of ways.
7–8	The student has demonstrated an excellent knowledge and understanding of the mathematical concepts covered. He/she has confidence in solving challenging problems in a variety of situations including unfamiliar contexts.

CRITERION B	INVESTIGATING PATTERNS
Achievement level	**Descriptor**
0	The student has not attained a level described by any of the descriptors below.
1–2	The student is able to recognize some simple patterns and can solve basic problems.
3–4	The student can recognize patterns and make some general rules and solve simple problems.
5–6	The student is very good at recognizing and describing patterns. He/she can make conclusions form the information he/she has.
7–8	The student is very good at recognizing and describing patterns. S/he can make excellent conclusions from the information he/she has. S/he is able to discuss how and why his/her answer is logical.

CRITERION C	COMMUNICATION
Achievement level	**Descriptor**
0	The student does not reach a standard described by any of the descriptors given below.
1–2	The student can understand and use basic mathematical symbols and language. S/he can discuss some of his/her ideas related to the topic.
3–4	The student understands and uses many mathematical symbols. His/her explanations are clear and logical using correct mathematical language.
5–6	The student understands and uses a wide range of mathematical symbols. His/her explanations are clear and logical using correct mathematical language and representation.

CRITERION D	REFLECTION
Achievement level	**Descriptor**
0	The student does not reach a standard described by any of the descriptors given below.
1–2	The student has attempted to explain how s/he got his/her answers and mentioned their importance to real life.
3–4	The student has explained what s/he did to get his/her answers and why the method was appropriate. S/he thought about other ways of solving the problem(s). The student has mentioned their importance to real life.
5–6	The student's explanations are clear and relevant. S/he has discussed different ways that the problem(s) could have been approached and discussed why the results are reasonable. S/he has mentioned their importance to real life.